

DS

1/1 - (C) EPODOC / EPO
PN - KR9511098 B 19950928
PR - KR19930004892 19930327
AP - KR19930004892 19930327

XP-002249792

DT - I
IC - C04B41/50
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TI - METHOD FOR COATING OF CARBIDES
AB -

The anti-oxidation treating method of a carbon material i.e. graphite carbonaceous material or carbon composite material is characterized by ultrasonic cleaning, phosphoric acid cleaning and alcohol or acetone cleaning the carbon material, coating the surface of the carbon material with an anti-oxidation treating agent composed of 10-40% amorphous boron, 1-10% boron nitride, 1-5% silicon nitride, 3-10% Mn(H₂PO₄)₂ 2H₂O, 30-60% orthophosphoric acid(H₃PO₄), 1-10% potassium hydroxide, 2-15% ammonia water and 1-7% silica sol, drying the coated carbon material at 200 deg.C. or more, and heat-treating it in the inert atmosphere at 500-600 deg.C. for 2-5 hr.